

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B7/08 G11B21/16 G11B21/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | PATENT ABSTRACTS OF JAPAN vol. 2003, no. 07, 3 July 2003 (2003-07-03) & JP 2003 091945 A (MITSUMI ELECTRIC CO LTD), 28 March 2003 (2003-03-28) abstract | 1-10 |
| X | US 5 982 735 A (TSAI ET AL) 9 November 1999 (1999-11-09) figures 2,3 | 1-10 |
| A | US 5 933 407 A (WATANABE ET AL) 3 August 1999 (1999-08-03) figures 1,3,4 | 1-10 |
| | ----- -/-- | |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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& document member of the same patent family

Date of the actual completion of the international search

14 April 2005

Date of mailing of the international search report

09/05/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| A | PATENT ABSTRACTS OF JAPAN vol. 1996, no. 08, 30 August 1996 (1996-08-30) & JP 08 087849 A (MITSUBISHI ELECTRIC CORP), 2 April 1996 (1996-04-02) abstract ----- | 1-10 |
| A | PATENT ABSTRACTS OF JAPAN vol. 2000, no. 16, 8 May 2001 (2001-05-08) & JP 2001 006184 A (MITSUMI ELECTRIC CO LTD), 12 January 2001 (2001-01-12) abstract ----- | 1-10 |
| A | US 2003/012118 A1 (SU STEEL ET AL) 16 January 2003 (2003-01-16) figure 2 ----- | 1-10 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013507

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